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- (71) Applicant (for all designated States except US): NUEVO-LUTION A/S [DK/DK]; Rønnegade 8, 5., DK-2100 Copenhagen Ø. (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **FRESKAARD, Per-Ola** [SE/SE]; Örtugsgatan 50, S-603 79 Norrköping (SE). **LUNDORF, Mikkel, Dybro** [DK/DK]; Viborggade 13, st. tv., DK-2100 København O (DK). **FRANCH, Thomas** [DK/DK]; Tjørnevej 26, DK-3070 Snekkersten (DK).
- (74) Agent: **HØIBERG A/S**; St. Kongensgade 59A, DK-1264 Copenhagen K (DK).
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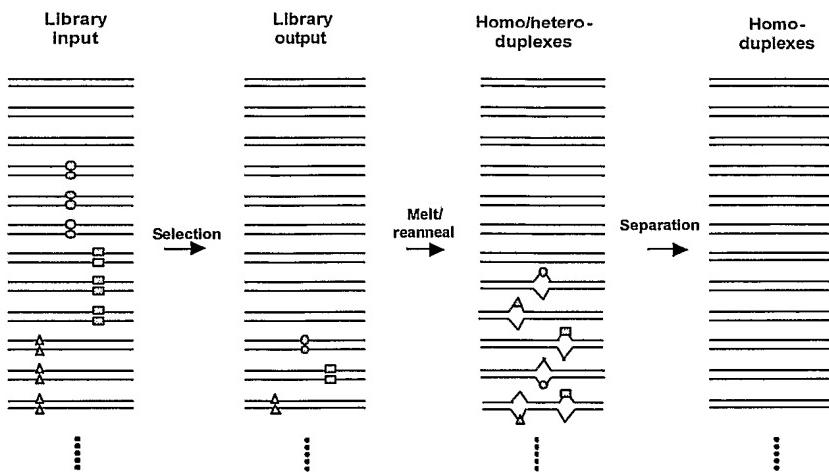
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- (54) Title: METHOD FOR ENRICHMENT INVOLVING ELIMINATION BY MISMATCH HYBRIDISATION

### Homo- and Hetero-duplex formation and separation



(57) Abstract: The present invention relates to a method for selecting a molecule from a library of such molecules associated with identifier oligonucleotides, said molecule having affinity towards a target. The method involves contacting library with a target to allow for an interaction between the molecules and the target and partitioning a fraction enriched in identifier oligonucleotides of molecules interacting with the target. After an optional nucleic acid amplification of the partitioned fraction, the fraction is subjected to conditions at which hetero-duplexes and homo-duplexes are formed. The homo-duplexes are subsequently recovered and decoded to identify the identity of the molecule interacting with the target.

WO 2005/078122 A2



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